

In the Specification:

Please substitute the following paragraphs for the corresponding paragraphs beginning at the indicated location in the specification as originally filed.

Page 8, line 3+:

Referring now to the drawings, and more particularly to Figures 1 - 3, there is shown a simplified theoretical crystal structures of monocrystalline silicon. In the following discussion, particularly in regard to Figures 1 - 3, it is to be understood that the subject matter described represents the current theoretical understanding of the effects which underlie the invention and which support the empirical observations upon which the invention is based, as reported in the current technical literature.

Page 21, line 13+:

In accordance with the invention, ~~and~~ an additional duct 140 is connected to duct 130 and gas flow therethrough is developed by an additional pumping arrangement schematically illustrated by mechanical pump 142 and turbomolecular pump 144. A residual gas analyzer (RGA) 150 is placed between duct 140 and the additional pumping arrangement in order to have residual reaction product gases passed therethrough for analysis.